

(19)日本国特許庁 (JP)

## (12) 公開特許公報 (A)

(11)特許出願公開番号

特開2002-27060

(P2002-27060A)

(43)公開日 平成14年1月25日 (2002.1.25)

(51) Int.Cl. <sup>7</sup>		識別記号	F I	テマコト(参考)
H 0 4 M	1/02		H 0 4 M	1/02
G 0 2 F	1/13	5 0 5	G 0 2 F	1/13
	1/1335			5 0 5
G 0 3 B	21/132		G 0 3 B	21/132
		審査請求 未請求 請求項の数 2 書面 (全 3 頁) 最終頁に続く		

(21)出願番号 特願2000-246544(P2000-246544)

(71)出願人 500356511

(22)出願日 平成12年7月10日 (2000.7.10)

岡田 羊一

京都府京都市上京区室町今出川上る裏築地  
町101

(72)発明者 岡田 羊一

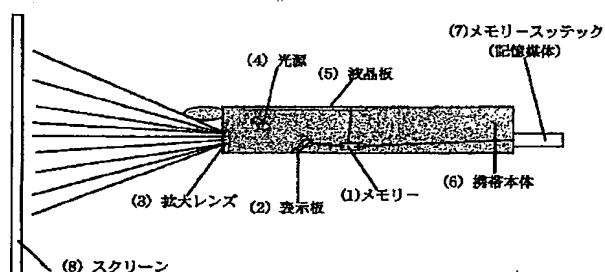
京都府京都市上京区室町今出川上る裏築地  
町101Fターム(参考) 2H021 DA00  
2H088 EA12 MA07 MA20  
2H091 FA29X LA19 MA07  
5G435 AA00 BB17 DD02 DD06 GG02  
LL07 LL15  
5K023 AA07 BB11 DD06 HH01 HH07  
MM01 MM07 MM25

(54)【発明の名称】 オーバーヘッドプロジェクター機能付携帯電話。

(57)【要約】 (修正有)

【課題】利便性の高いオーバーヘッドプロジェクター機能付携帯電話提供する。

【解決手段】情報をメモリー1、メモリースティック7等に保存。表示板2に出力し、表示された情報に光源4をあて反射させ拡大レンズ3を介してスクリーン板8に投射する。



## 【特許請求の範囲】

【請求項1】メモリーに保存された情報を表示板に表示する手段と表示版に光源をあて拡大レンズを介してスクリーン板に投射する手段を特徴とするオーバーヘッドプロジェクター機能付携帯電話。

【請求項2】メモリースティック(記憶媒体)に保存された情報を表示板に表示する手段と表示版に光源をあて拡大レンズを介してスクリーン板に投射する手段を特徴とするオーバーヘッドプロジェクター機能付携帯電話。

## 【発明の詳細な説明】

【発明に属する技術分野】本発明はオーバーヘッドプロジェクター機能付携帯電話に関する。

【従来の技術】現在、携帯電話は会話、メッセージ送信等に利用され利便性が高いが、液晶表示の部分のみの表示であり一人で見るのであれば良いが仕事等で大多数で見る場合不便であった。

【発明の解決しようとする課題】よって本システムはオーバーヘッドプロジェクター機能を付ける。

【課題を解決するための手段】メモリーに保存された情報を表示板に表示する手段と表示版に光源をあて拡大レ

ンズを介してスクリーン板に投射する。  
【発明の実施の形態】取引先等から送信された情報をメモリー(図面2-1)、メモリースティック(図面2-7)等に保存。表示板(図面2-2)に出力し、表示された情報に光源(図面2-4)をあて反射させ拡大レンズ(図面2-3)を介してスクリーン板(図面2-8)に投射する。

【発明の効果】本システムにより携帯電話に情報を保存して放射する事によりビジネス現場の打ち合わせ等に利用でき利便性が高い。

## 【図面の簡単な説明】

【図1】図面1、本発明の正面図。

## 【符号の説明】

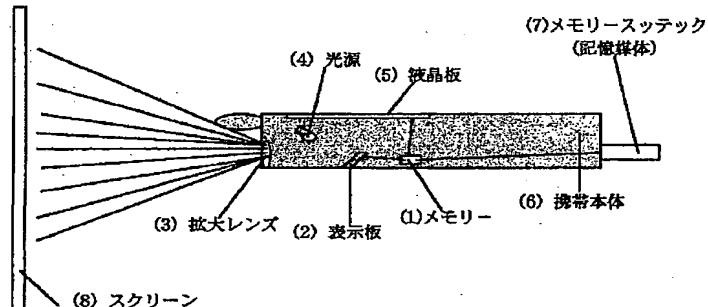
(1)はメモリースティック(記憶媒体)、(2)は拡大レンズ、(3)は液晶画面、(4)はスクリーン、(5)は携帯電話本体。

【図2】図面2、本発明の側面断面図。

## 【符号の説明】

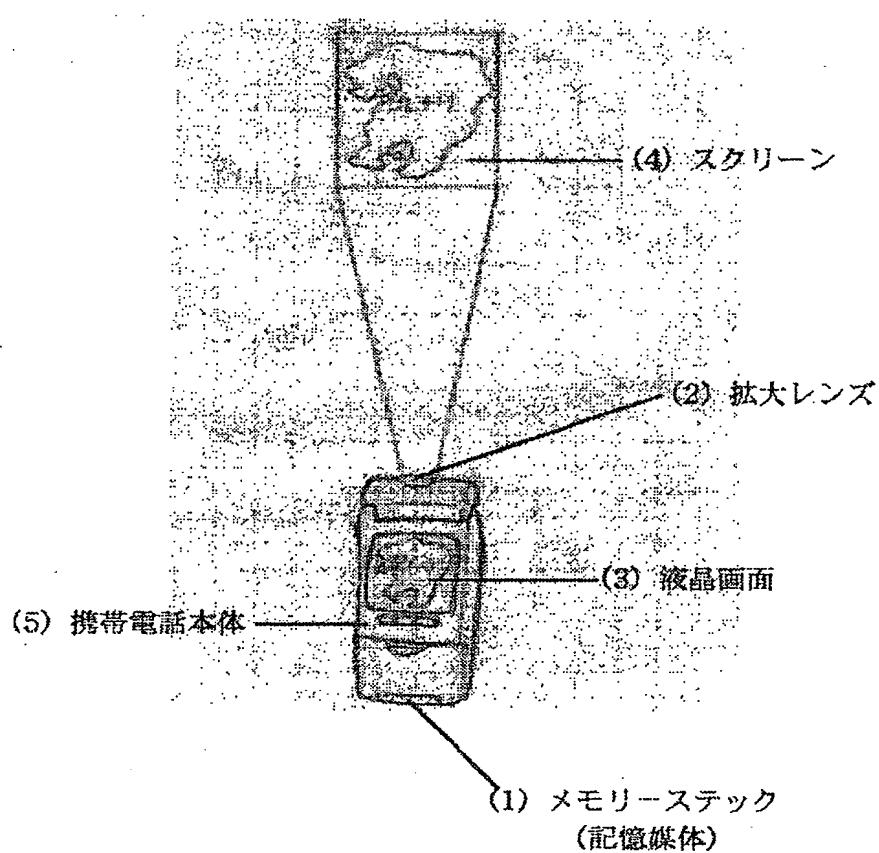
(1)はメモリー、(2)は表示板、(3)は拡大レンズ、(4)は光源。

【図 2】



【図 1】

## 図面代用写真（カラー）



フロントページの続き

(51) Int. Cl. 7  
G 09 F 9/00識別記号  
36.0F I  
G 09 F 9/00テーマコード（参考）  
360K

## PATENT ABSTRACTS OF JAPAN

(11) Publication number : 2002-027060

(43) Date of publication of application : 25.01.2002

---

(51) Int.CI. H04M 1/02  
G02F 1/13  
G02F 1/1335  
G03B 21/132  
G09F 9/00

---

(21) Application number : 2000-246544 (71) Applicant : OKADA YOICHI

(22) Date of filing : 10.07.2000 (72) Inventor : OKADA YOICHI

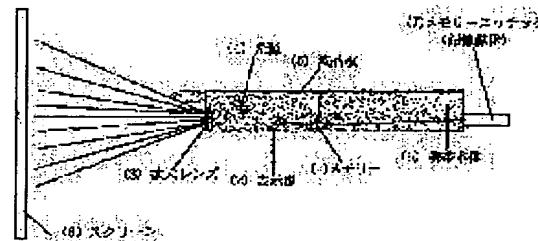
---

### (54) PORTABLE TELEPHONE WITH OVERHEAD PROJECTOR FUNCTION

#### (57) Abstract:

PROBLEM TO BE SOLVED: To provide a portable telephone with overhead projector function improved in convenience.

SOLUTION: Information is stored in a memory 1 or memory stick 7 and outputted on a display panel 2, and the displayed information is lighted by a light source 4, reflected and projected through a magnifying lens 3 onto a screen panel 8.



---

#### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than

the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

**\* NOTICES \***

JPO and NCIPI are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

---

**CLAIMS**

---

**[Claim(s)]**

[Claim 1] The cellular phone with an over head projector function characterized by means to hit the light source to the means and the display version which display the information saved in memory on the plotting board, and to project on a screen plate through a magnifying lens.

[Claim 2] The cellular phone with an over head projector function characterized by means to hit the light source to the means and the display version which display the information saved at the memory stick (storage) on the plotting board, and to project on a screen plate through a magnifying lens.

---

[Translation done.]

**\* NOTICES \***

JPO and NCIPI are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

---

**DETAILED DESCRIPTION**

---

**[Detailed Description of the Invention]**

[Technical field belonging to invention] this invention relates to a cellular phone with an over head projector function.

Although the [conventional technical] current one and a cellular phone were used for conversation, message sending, etc. and its convenience was high, it was the display of only the part of a liquid crystal display, and it was inconvenient when seeing by a large majority at work etc., although what is necessary is just to see by one person.

[Technical problem [ which is going to solve invention ]] Depending, this system attaches an over head projector function.

The light source is hit to the means and the display version which display the information saved in the [The means for solving a technical problem] memory on the plotting board, and it projects on a screen plate through a magnifying lens.

The information transmitted by the [gestalt of implementation of invention] customer etc. is saved at memory (drawing 2-1), a memory stick (drawing 2-7), etc. It outputs to the plotting board (drawing 2-2), the light source (drawing 2-4) is guessed and reflected in the displayed information, and it projects on a screen plate (drawing 2-8) through a magnifying lens (drawing 2-3).

By saving information by the [effect-of-the-invention] book system at a cellular phone, and emanating, it can use for the arrangement of a business site etc. and convenience is high.

---

[Translation done.]

**\* NOTICES \***

JPO and NCIPI are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

---

**DESCRIPTION OF DRAWINGS**

---

[Brief Description of the Drawings]

[Drawing 1] A drawing 1, the front view of this invention.

[Description of Notations]

(1) is a memory stick. (Storage) (2) is a magnifying lens. (3) is a liquid crystal screen. (4) is a screen. (5) is a body of a cellular phone.

[Drawing 2] A drawing 2, the side-face sectional view of this invention.

[Description of Notations]

(1) is memory. (2) is the plotting board. (3) is a magnifying lens. (4) is the light source.

---

[Translation done.]